

ABSTRACT

A valve deactivation system includes a deactivation rocker arm assembly and a free motion spring assembly. The deactivation rocker arm assembly includes an elongate rocker arm defining an aperture. A center post is slidingly disposed within the aperture. The center post is configured for engaging a valve stem of a valve of an internal combustion engine.

- 5 Coupling means selectively couple together and decouple the center post and the rocker arm. The free motion spring assembly includes an inner spring retainer surrounding a portion of the valve stem. An outer spring retainer surrounds a portion of the valve stem. An inner spring surrounds a portion of the valve stem between the inner spring retainer and a disk cap associated with the valve stem. An outer spring surrounds the inner spring.